

## "S4F" ARM KIT

TOOLS REQUIRED		
Tape Measure	2-7/16" Wrenches	Blind Rivet Gun
1/8" Drill Bit	13/64" or #8 Drill Bit	11/64" or #20 Drill Bit
Phillips Screwdriver	Silicone Sealant	Power Hand Drill
Ladder	Pliers	

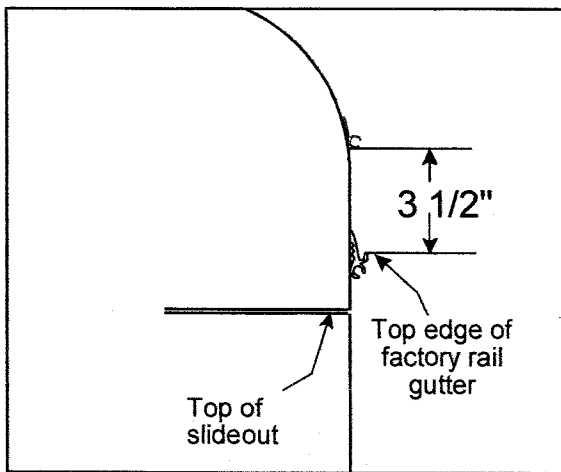


Figure 1

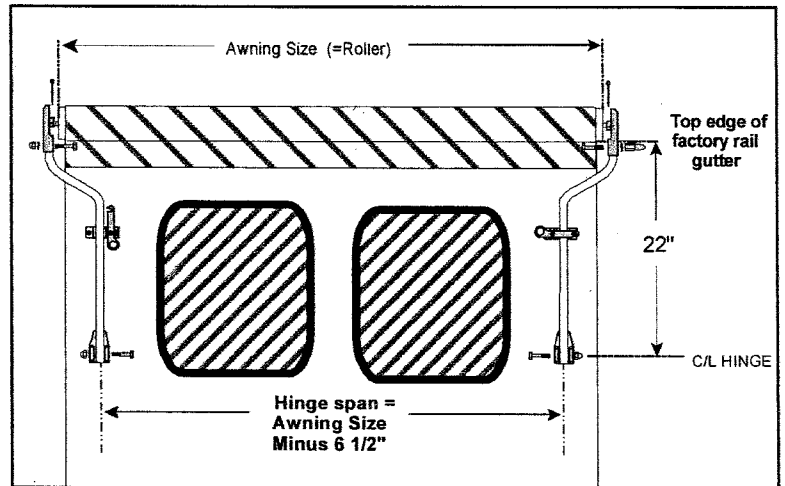


Figure 2

1. Start the installation with the Slideout room retracted. Mark the awning rail location by measuring 3 1/2" above the top edge of the gutter on the factory rail to establish the bottom of the awning rail. The Awning Rail may be mounted with flange up or down to avoid hitting the center of the roof extrusion, see Fig. 1.

2. Slip the awning rail from the awning and attach above the Slideout as shown in Fig.1&2, center the rail above the Slideout. Use 3/4" (short) split side rivets to mount the front, rear and center of the rail (use 13/64" or # 8 drill bit) For the balance of the rail, drill 11/64 or #20 holes approximately every 6" and secure rail with 5/32" self-sealing blind rivets. Rivets should be placed through ribs where ever possible. Use silicone sealant to fill drilled holes.

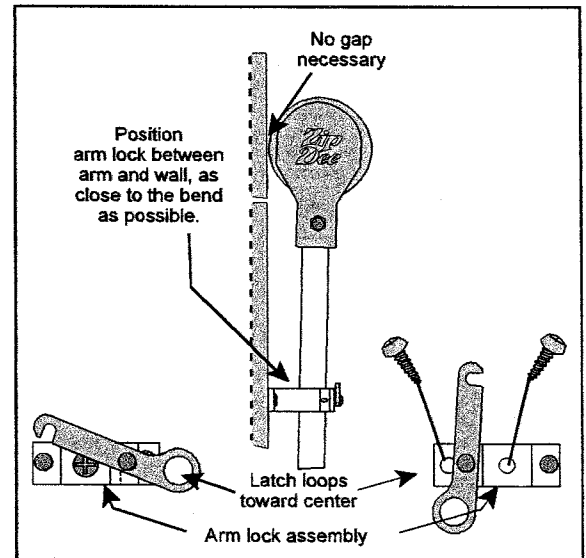


Figure 1a

3. Measure 22" down from the top edge of the factory rail gutter to establish the **horizontal** center line of the hinges. Mark the **vertical** mounting lines so the span between the these lines is equal to the awning length less 6 1/2" (Fig.2). Install the hinges on the vehicle, so that the **vertical** mounting lines pass through the 2 **vertical** holes in the hinge and the **horizontal** center is in line with the two horizontal holes in the casting (Fig. 2). Drill through the two hinge mounting holes with a 13/64" or #8 drill and attach the hinges with the #14 x 1" flat head screws provided. Seal the holes with silicone sealant.

4. Connect the head castings to the roller shafts with 1/8" cotter pins. Bend the split ends of the pins with pliers to hold in place.

5. Attach the arms to the hinges with 1/4"-20 X 1 5/8" bolts. Position the arms so that the offset is towards the edges of the Slideout (Fig. 2).

6. Attach the awning to the awning rail by inserting the "bead" of the Flex Key into either end of the awning rail channel. Keep the awning level to avoid binding and hold the awning away from the vehicle to avoid damage (Fig. 3). Gently lower the roller, allowing the fabric to **completely** unroll and hang along the side of the vehicle.

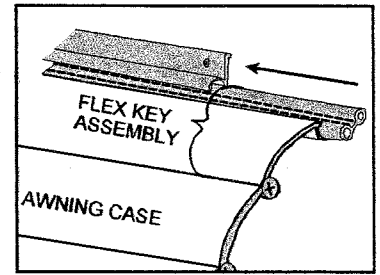


Figure 3

7. Lift the awning roller outward and attach the awning arms to the heads with 1/4-20 X 1 1/4" bolts, lock washers and cap nuts (washer under the nut).

8. Extend the slideout room fully. Pull the awning fully open with the strap. Slip the hold down hook into the **Awning Fabric Loop** of the pull strap and swing the hook casting to the vehicle so that the strap is vertical and the fabric over the slideout is taut. Mark the position of the hook so that the 2 mounting holes are level. Drill 13/64" or #8 holes and attach the hook with 3/16" X 3/4" expanding rivets. (Fig. 4) Fill the holes with silicone sealer before riveting.

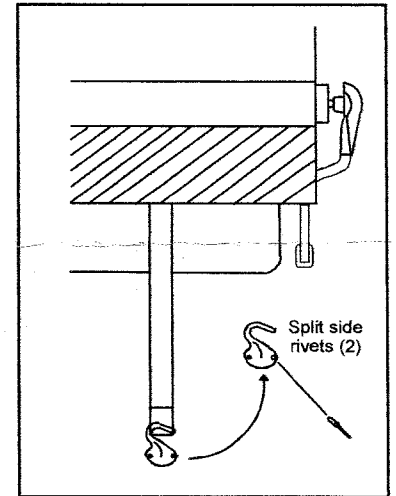


Figure 4

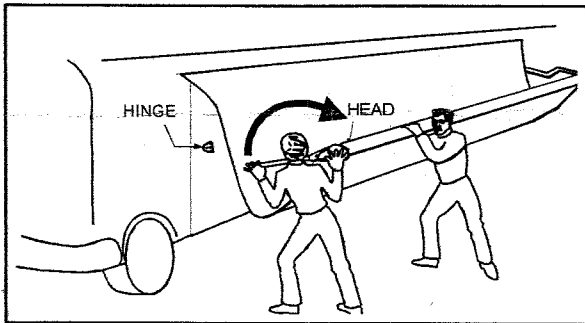


Figure 5

9. With a second person holding the awning roller firmly away from the vehicle, (Fig. 5) unbolt the left support arm from the hinge and wind the arm clockwise **30 revolutions**. Bolt the arm to the hinge. Allow the awning to gently roll closed. Securely tighten all nuts and bolts.

10. Center the awning in the awning rail so that the arms are parallel to the slideout frame. Drill a 1/8" hole through the rail approximately 2" in from each end of the awning rail. Secure the awning in place with #6 X 1/2" sheet metal screws (Fig. 6).

11. Open the awning slightly and place the arm locks between the arms and the coach with the loops in the latches inward facing each other. (Fig. 1a). Temporarily place a rubber pad (provided in hardware kit) between the arm and the arm lock. Position the arm locks on the sidewall as close to the bottom of the offset bend in the arm as possible (Fig. 2) so that the lever clears the arm. This provides support to the arm close to the roller and prevents the arm from striking the coach wall in opening. Locks should not hold roller away from coach.

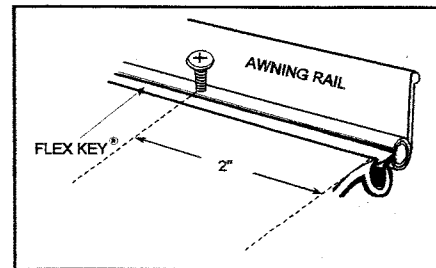


Figure 6

Mark the position of the arm locks. Open the awning and using the arm locks as templates drill two 13/64" or #8 holes. Fill the holes with silicone and use #14 X 3/4" screws (provided) to secure the arm locks in place. Remove the paper backing from the adhesive on the rubber spacer and affix to the arm lock bracket. Allow the awning to gently roll closed.

### OPERATING INSTRUCTIONS

13. **TO OPEN AWNING.** Open the latches on the arm lock brackets. Catch the loop of the Pull Strap with the patio awning pull rod ( not supplied with slideout awnings ) and pull out ward from the coach. Grasp the strap just above the top loop and use the other hand to slip the loop onto the protruding finger of the hold down hook. Tuck the webbing portion of the strap into the pocket on the fabric portion of the strap (Fig. 6).

14. **TO CLOSE AWNING.** Pull the webbing portion of the strap out of the pocket. Pull the strap with one hand to release pressure and slip the loop off of the hook finger with the other hand. Catch the loop with the patio awning pull rod and gently allow the awning to roll closed. Make sure that awning arms are seated in the arm locks. Close the latches on the arm lock brackets.